PROJECT NUMBER: 2305
PROJECT TITLE: Flavor Development-Brand Modification-Menthol/Distinctive
PROJECT LEADER: H. M. Maxwell
PERIOD COVERED: September, 1988

I. ALTERNATIVE FLAVORS:

A. Objective: To identify and qualify alternative sources for flavoring materials.

B. Status: A memo qualifying an alternate vendor for block licorice was written. POL testing of another flavor alternative (Jonex) is in progrees. Cigarettes for a replicate test were remade, and are being evaluated.

C. Plans:

POL Results For Alternative Jonex (Merit 85)	October, 1988
Replicate POL Results	November, 1988

II. PROJECT MOOG:

A. Objective: To develop the expertise to produce cigarettes that are subjectively equivalent to Salem, Newport and Kool.

B. Status: K-type and S-type flavor optimization is in progress. Semi-works, small scale, cigarettes were evaluated for K-type. One model seems promising. Further evaluation is in progress. S-type models are being evaluated. A paired comparison POL, testing N-type cigarettes versus Newport is in testing.

C. Plans:

K and S-Type Flavor Development	October, 1988
N-type POL Results	November, 1988

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III. MENTHOL RELEASE COMPOUND:

A. Objective: To develop a mentholated charcoal-filtered cigarette utilizing a menthol release compound. Also, to apply menthol release technology to other areas.

B. Status: The Foam Bound Rod group is continuing to investigate problems of MGC application. Poly menthyl isopropenyl carbonate was extruded on the "DL" blend at the 10% level. Evaluation is in progress. Extrusion runs at lower inclusion rates are planned. Samples of the anethol/menthol release compound were requested for further product development studies.

Source: https://www.industrydocuments.ucsf.edu/docs/ypfm0000

C. Plans:

Cigarette Remake (MGC)	To be scheduled

IV. ALTERNATE HUMECTANT PROGRAM:

A. Objective: To develop the capability to produce cigarettes that are glycerin free and cigarettes that are propylene glycol and glycerin free, while maintaining product subjective integrity.

B. Status: G-free POL cigarettes will be remade, again. This will be delayed due to the necessity to remake sheet and stem materials. Models for the PG/G-free program were evaluated, and found to be acceptable. Further evaluation to confirm this is in progress.

C. Plans:

G-free POL Remake	December, 1988
Semiworks PG/G-free Cigarette Evaluation	September 1988

V. PROJECT GRAIN:

A. Objective: To significantly reduce alcohol levels in PM flavor systems, while maintaining product subjective integrity.

B. Status: POL testing is on hold. Aftercuts were prepared at Twentieth Street to investigate low anethol values observed previously.

C. Plans:

Cigarette Production for Internal Testing	To Be Scheduled
Resolution of low Anethole	October, 1988

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VI. CASING STUDY:

A. Objective: To determine the affect of prolonged heating on burley spray and its ingredients, block chocolate and block licorice.

B. Status: Solutions of block chocolate, block licorice, and burley spray will be held at temperatures emulating those of production, under laboratory conditions for up to 72 hours. Changes in the base solutions and the burley casing will be monitored periodically during the holding time. Concurrently headspace samples will be collected and mass balance determinations made.

Source: https://www.industrydocuments.ucsf.edu/docs/ypfm0000

Twenty-four hour trial runs of chocolate, licorice, and total casing were made. Analysis is in progress.

C. Plans:

Complete trial runs to further define scope and duration of study.

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